

Converted to Water Injection Well 1-31-64

FILE NOTATIONS

Entered in NID File

✓

Checked by Chief

✓

Entered On S R Sheet

✓

Copy NID to Field Office

✓

Location Map Pinned

✓

Approval Letter

✓

Card Indexed

✓

Disapproval Letter

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed

3-29-60

Location Inspected

OW

✓

WW

TA

Bond released

GW

OS

PA

State of Fee Land

LOGS FILED

Driller's Log

4-15-60

Electric Logs (No.)

4

E

I

251 ✓

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

	32	
		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock _____
Allottee Navajo _____
Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	X	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	
NOTICE OF INTENTION TO CHANGE PLANS _____		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____		SUBSEQUENT REPORT OF ALTERING CASING _____	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____		SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____		SUBSEQUENT REPORT OF ABANDONMENT _____	
NOTICE OF INTENTION TO PULL OR ALTER CASING _____		SUPPLEMENTARY WELL HISTORY _____	
NOTICE OF INTENTION TO ABANDON WELL _____			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 23, 1960

Navajo 'C'
Well No. 444-32 is located 500 ft. from ~~N~~_S line and 900 ft. from ~~E~~_W line of sec. 32

SE SE Sec. 32 (1/4 Sec. and Sec. No.)	40S (Twp.)	25E (Range)	SLBM (Meridian)
McElroy Creek (Field)	San Juan (County or Subdivision)	Utah (State or Territory)	

The elevation of the ~~surface floor~~ above sea level is 4721 ft. ungraded ground

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill well to test Paradox Formation at a depth of approximately 5740'.

Will set approximately 500' of 8 5/8" surface pipe.

Will set 5 1/2" casing through any commercial production encountered.

Verbal Approval 2-23-60 by: P. T. McGrath
C. B. Feight

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

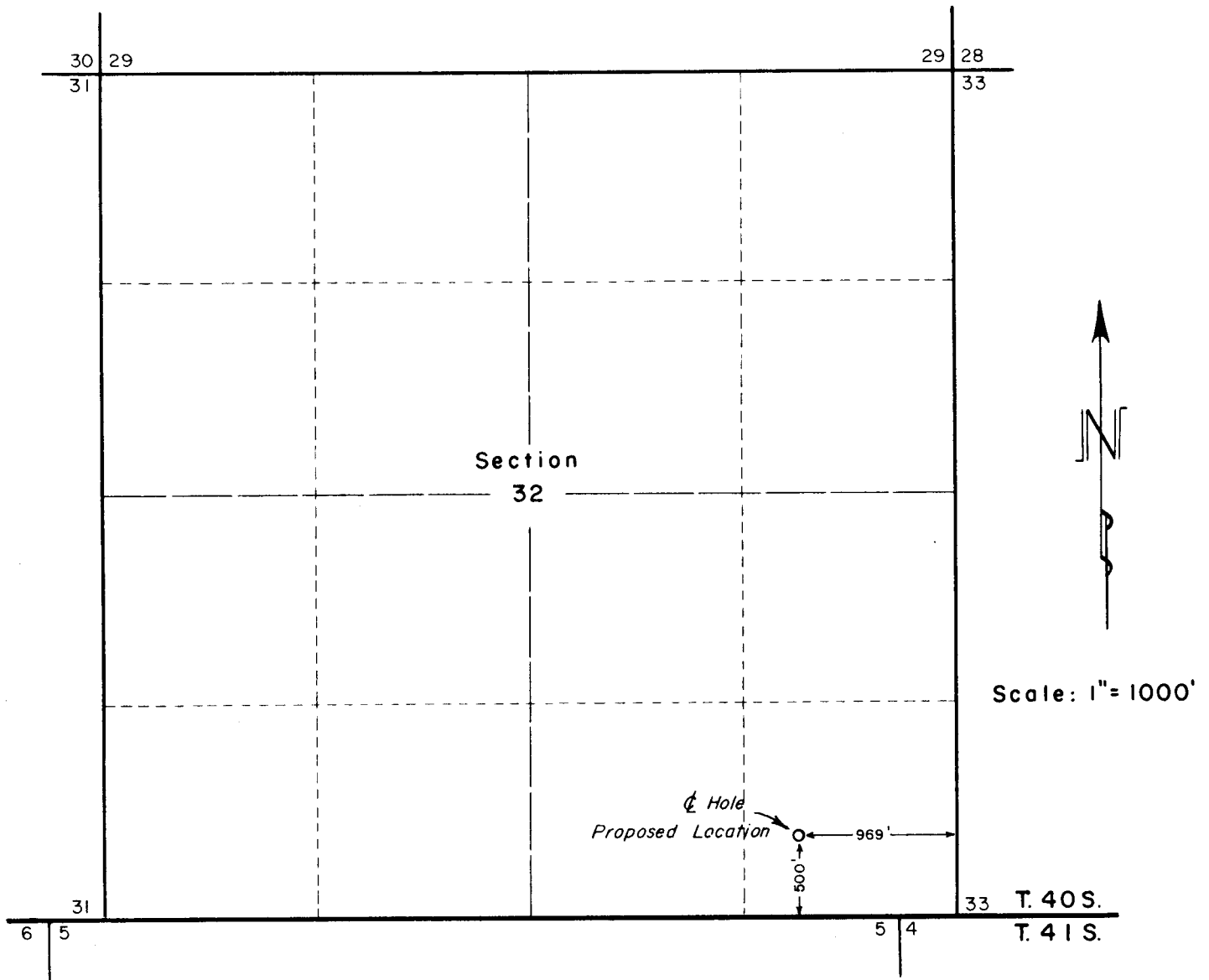
Company The Superior Oil Company

Address P. O. Drawer G

Cortez, Colorado

By D. D. Kingman
D. D. Kingman
Engineer

CERTIFICATE OF SURVEY



WELL LOCATION: The Superior Oil Co. — Navajo "C" 44 - 32

Located 969 feet West of the East line and 500 feet North of the South line of Section 32,
Township 40 South, Range 25 East, Salt Lake Base & Meridian.

Existing ground elevation determined at 4721 feet.

I, the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

ELMER M. CLARK
Registered Land Surveyor
Utah No. 2307

E.M. CLARK & ASSOCIATES
Durango, Colorado

February 23, 1960

THE SUPERIOR OIL CO.

P. O. Drawer G
Cortez, Colorado

February 23, 1960

Utah Oil & Gas Conservation Commission
Room 310 Newhouse Building
Salt Lake City 11, Utah

Re: The Superior Oil Company Navajo 'C' #44-32

Attention: Cleon B. Feight

Gentlemen:

The proper location for the Navajo 'C' #44-32 - 660'FSL & 660'FSL of Section 32, T40S, R25E, San Juan County, Utah - fell in topographically inaccessible terrain. Consequently we have restaked the location as follows:

500'FSL & 965'FSL
Section 32, T40S, R25E
San Juan County, Utah

The Superior Oil Company is the oil lessee on all of Section 32, T40S, R25E, San Juan County, Utah and on all of the section directly south of Section 32, which is Section 5, T41S, R25E, San Juan County, Utah. This location move should in no way affect any other operator's correlative rights.

Mr. Bannantine today obtained verbal approval from both the USGS and the Utah Conservation Commission for the above move. This letter will serve both as written explanation and request for written approval.

Yours truly,



D. D. Kingman

DOK/lbc

cc: USGS

M. U. Broussard
W. H. Fraser
H. J. Caine
File

B. R. Kunau
D. E. Koch
R. Maurer
R. Smith

THE SUPERIOR OIL CO.

P. O. Drawer G
Cortez, Colorado

February 23, 1960



Utah Oil & Gas Conservation Commission
Room 310 Newhouse Building
Salt Lake City 11, Utah

Re: The Superior Oil Company Navajo 'C' #44-32

Attention: Cleon B. Feight

Gentlemen:

The proper location for the Navajo 'C' #44-32 - 660'FSL & 660'FEL of Section 32, T40S, R25E, San Juan County, Utah - fell in topographically inaccessible terrain. Consequently we have restaked the location as follows:

500'FSL & 969'FEL
Section 32, T40S, R25E
San Juan County, Utah

The Superior Oil Company is the oil lessee on all of Section 32, T40S, R25E, San Juan County, Utah and on all of the section directly South of Section 32, which is Section 5, T41S, R25E, San Juan County, Utah. This location move should in no way affect any other operator's correlative rights.

Mr. Bannantine today obtained verbal approval from both the USGS and the Utah Conservation Commission for the above move. This letter will serve both as written explanation and request for written approval.

Yours truly,

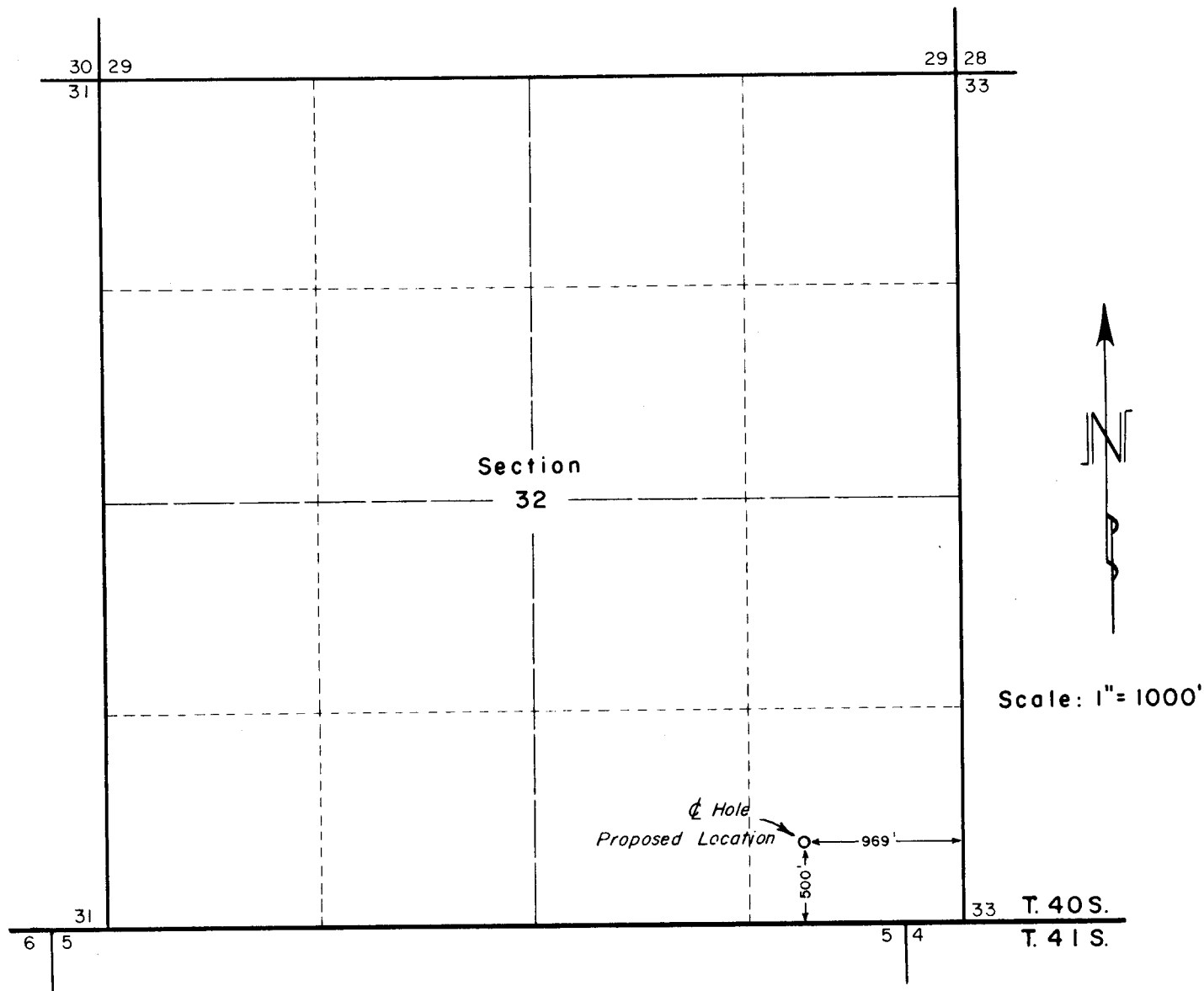


D. D. Kingman

DDK/lbc

cc: USGS

CERTIFICATE OF SURVEY



WELL LOCATION: The Superior Oil Co. — Navajo "C" 44-32

Located 969 feet West of the East line and 500 feet North of the South line of Section 32,
 Township 40 South, Range 25 East, Salt Lake Base & Meridian.

Existing ground elevation determined at 4721 feet.

I, the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

ELMER M. CLARK
 Registered Land Surveyor
 Utah No. 2307

E.M. CLARK & ASSOCIATES
 Durango, Colorado
 February 23, 1960

February 29, 1960

**The Superior Oil Company
P. O. Drawer G
Cortez, Colorado**

Attention: Mr. D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your letter of February 23, 1959, and your notice of intention to drill Well No. Navajo C 44-32, which is to be located 500 feet from the south line and 969 feet from the east line of Section 32, Township 40 South, Range 25 East, SLNM, San Juan County, Utah.

Please be advised that approval to drill said well at the above mentioned location is hereby granted under Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, Utah Oil & Gas Conservation Commission.

This approval terminates within 90 days if the well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

**CLEON B. FREIGHT
EXECUTIVE SECRETARY**

CMF:co

**cc: F. T. McGrath, Dist. Eng.
U. S. Geological Survey
Farmington, New Mexico**

INITIAL WELL TEST

McELMO CREEK UNIT # Q-12

DATE April 6, 1960

OIL BBL/DAY 608

OIL GRAVITY 40

GAS CU.FT/DAY

GAS-OIL RATIO CU/FT/BBL

WATER BBL/DAY 6

PUMPING/FLOWING

CHOKE SIZE 40/64

FLOW TUBING PRESSURE 550

PERMEABILITY
MILLIDARCY

REPAIRED CASING LEAK AT 580'
BY SQUEEZING W/250 SKS.

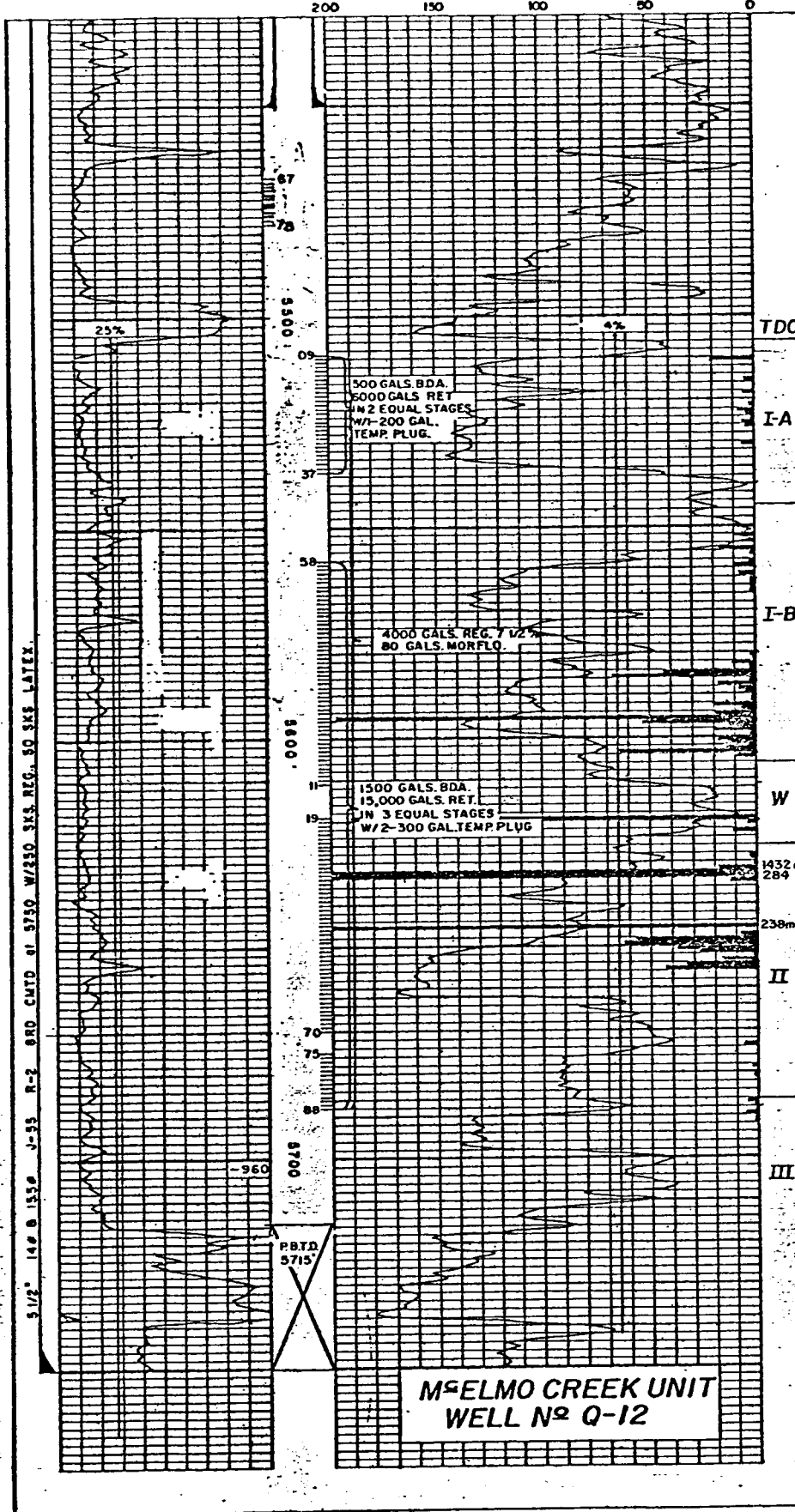
3-15-66: Treated W/20,000 gals
28% iron acid in 4 equal stages
W/1000 gal salt plug between stages.
7-13-69: Treated W/1000 gals 15%
Iron acid.
7-6-70: Perfed 5467-78', Treated some
W/4000 gals 28% acid.

1-30-74 Treated Zones I & II down
tbg w/3000 gal iron seq. acid in
six 500 gal stages. 1 BPM, 2500
psi.

10-9-75 CMTD Inner Liner of 3 1/2"
9.2" Seal Lok Tbg at 5450
W/360 Sx

C.O. & Stim. Ismay Perfs 5467'
W/2000 Gals 28% HCL

5 1/2" 14# & 155# R-2 8RD CMTD at 5750 W/250 SKS REG. 50 SKS LATEX.



TDC

I-A

I-B

W

II

III

12.5%	4%	1%
-------	----	----

12.5%	8%	14%
-------	----	-----

1432 md. 1.5	75%	61%
284	27%	85%

FLOWMETER 9-15-64 3000 BPD
3-14-66 1550 BPD
TEMP & RA FLOWLOG 5-27-71, 2150 BPD

McELMO CREEK UNIT
WELL No. Q-12

McELMO CREEK UNIT
THE SUPERIOR OIL CO. OPERATOR
SE SE SEC.32, T40 S, R25 E.
SAN JUAN COUNTY, UTAH.
ELEV. 4742' K.B. TD 5750'

REV: 9-23-70

Well No. Q-12

McElmo Creek Unit

ATTACHMENT I

RULE I-5: Application for Approval of Class II Injection Wells

(a) Well Data Sheets.

- (b) (1) Plat #1.
(2) Well Data Sheets.
(3) Well Data Sheets & Logs.
(4)

i. The average intervening thickness is 4000' between the existing injection interval and the deepest fresh water sand.

ii. Maximum Surface Pressure: 2800 psig.
Maximum Rate: 4000 BWPd.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1300' avg.	Shale
DeChelly	2350' avg.	Sandstone
Organ Rock	2600' avg.	Shale
Hermosa	4400' avg.	Limestone
Upper Ismay	5300' avg.	Limestone
Lower Ismay	5370' avg.	Limestone
Gothic	5450' avg.	Shale
Desert Creek	5460' avg.	Limestone
Chimney Rock	5550' avg.	Shale

(5)

(i) A throttling valve is installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water is Superior's production wells within the McElmo Creek Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5300' and 5460' respectively.

(iii) The analysis of injection water is as follows: (as parts per million).

PH: 6.5	Ca: 13770 ppm	SO4: 25 ppm
CL: 16700 ppm	Mg: 11421 ppm	H2S: 30 ppm
Fe: 3 ppm	HCO3: 109.8 ppm	Na: -
CaCO3: 18470 ppm	CO3: -	Specific Gravity: 1.0553

McElmo Creek Unit

(5) Cont.

(iv) The injection zones are the Ismay and Desert Creek formations. Both zones are carbonate formations consisting of limestone, anhydrite and dolomite. The formations extend throughout the Paradox Basin and are underlain by the Chimney Rock Shale and are overlain by the Hermosa Limestone.

(v) Fresh water zones (Morrison, Bluff, Entrada) range from 0 to 1300' with Entrada being the deepest and somewhat saline.

(vi) The analysis of formation water (Desert Creek) is as follows: (as parts per million).

PH: 6.6	Ca: 17410 ppm	SO4: 33 ppm
CL: 34800 ppm	Mg: 11518 ppm	H2S: 10 ppm
Fe: 1.5 ppm	HCO3: 48.8 ppm	Ba: -
CaCO3: 22150 ppm	CO3: -	Specific Gravity: 1.0902

(6) To assure that injection is confined to intervals intended to receive the disposed water, wireline diagnostic surveys are run periodically to determine whether any escapement is taking place. If such information is discovered, the disposal well will be shut-in until proper measure can be taken. Casing pressure readings are made regularly to verify that no tubing or packer leaks have developed. If such leaks develop, the well will be shut-in until proper repairs can be made.

(7) N/A.

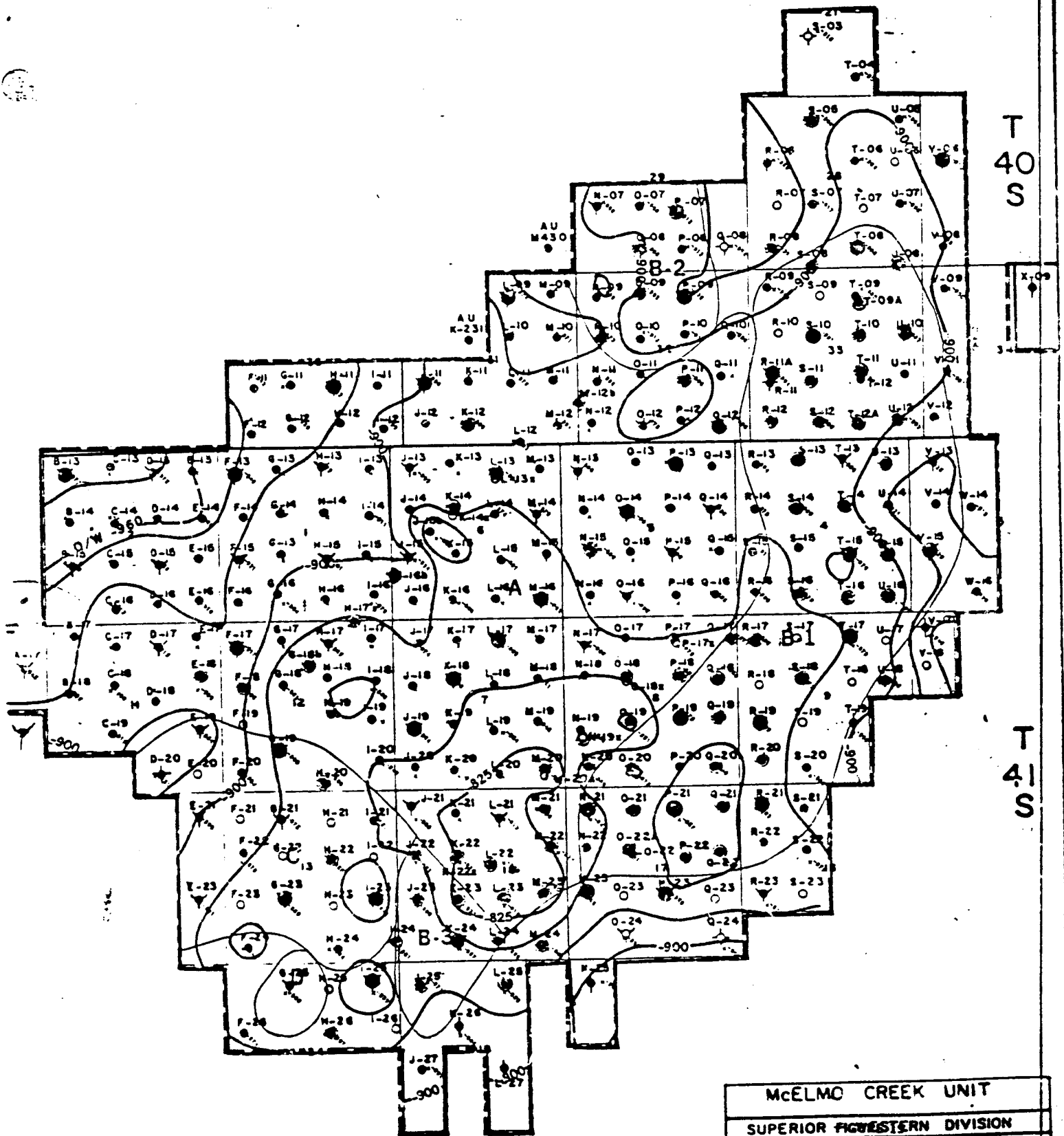
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) N/A.

(10) N/A.

R24E

R25E



LEGEND

- FUTURE LOCATION
- DRILLING WELL (STATUS)
- OIL WELL
- ▼ WATER INJECTION WELL
- DUAL SERVICE, INJ/PROD

O/W CONTACT -960

0 2000' 4000'

McELMO CREEK UNIT

SUPERIOR FIGWESTERN DIVISION

McELMO CREEK UNIT
SAN JUAN COUNTY, N.M.

SUPERIOR OIL - WESTERN DIVISION

STRUCTURE - I

BY TOP OF OIL

DESERT CREEK LIMESTONE, CO.

DATE: 4-14-73 JUNE 2 DRAWING NO.

BY:	SCALE:
DATE:	C.I.: 2511
CHECKED:	DRAWN BY:

	32	
		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R359.4.

Indian Agency _____
Window Rock
Allottee Navajo
Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	X
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 9, 1963

McElmo Creek Unit
Well No. 40-12 is located 500 ft. from [N] line and 969 ft. from [E] line of sec. 32

SE SE Sec. 32 40S 25E 51M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4734 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

3-22-63: Acid Job #5: Press. annulus to 1000# w/crude oil. Pumped 4000 gal 7 1/2 reg acid & 80 gal Morflo #2 detergent to attempt to clear water block. Pumped acid in 16 min. Pumped 133 bbl crude down tbg - over flush 100 bbl. Max press 500# - Min Press - 300#, SIP-0#, on vacuum immediately.

Swbd 160 bbl L.O. & A.W. in 7 1/2 hrs. Swbd down to 3500' in 4 runs. Swbd avg 21.32 BPH. Cut 10 & 15% water-no free water. Rec. very little A.W. Gty 41.6°.

3-23-63: Cont'd swbg, found fluid @ 4500'. Swbd 186.89 bbl in 10 hrs. Gty 41.2°, cut 30% to 8%. Avg BPHR 18.69. Total fluid rec 346.98 or 235 bbl over treatment.

3-24-63: Cont'd swbg, F.L. 4000'. Swbd 208.75 bbl in 10 hrs, gty 40.8°, Cut 6% to 0.5% water, BPHR-20.87. F.L. increased 3000'-3500'. Press casing annulus to 400#. (Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By ORIGINAL SIGNED BY
D. D. Kingman

Title Engineer

3-25-63: Ran 2-7/8" tbg to 5531' w/2 jts 3 1/2" on bottom.

Pumped 209 bbl oil in 13 hrs. Gty 41°, cut 0.5%, SPH 14 x 84", BPH 16.

176 BOFE

MAY 8 1963

Copy H. L. E.
(SUBMIT IN TRIPLICATE)

	32	
		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock
Allottee Navajo
Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 9, 19 63

McElmo Creek Unit
Well No. #Q-12 is located 500 ft. from S line and 969 ft. from E line of sec. 32

SE SE Sec. 32 40S 25E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~land surface~~ above sea level is 4734 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- 12-30-62: Ran Baker Model 'C' Ret. B.P. w/pkr above. Ran McCullough Csg Inspection Log - No indication of severe corrosion. Located hole in csg w/pkr's between 579'-583'.
- 12-31-62: Set B.P. @ 1719' & tested w/600#, pkr @ 745' & tested w/600# - held. Pulled to 506' & reset pkr. Pumped 20 bbl water down 8-5/8" csg w/full returns through 3 1/2" csg.
- 1-1-63: Squeeze #1: 100 sacks w/2% CC. Mixed 10 mins., displ. 20 min.
- 1-2-63: Press. 3 1/2" csg, pumped in w/300# circ thru tbg & out 8-5/8" 45 min. Squeeze #2: 150 sacks reg cmt w/2% CC, mixed 10 min, displ 15 min, with max press 700#. Press 3 1/2" w/1000#, bled back to 400#.
- 1-3-63: Press. 3 1/2" csg w/600#, bled to 500# in 30 min. Ran bit w/csg scraper, C.O. stringers 580'-610', ran to 868'-no cmt. Set pkr @ 506' & press csg w/400# bled to 0# in 28 min. Pulled pkr & plug. (Over)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By ORIGINAL SIGNED BY
D. D. Kingman

Title Engineer

1-4-63: Ran pump to 4539' on 2-7/8" tbg, tail to 4539'.

MAY 8 1963

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock
Allottee Navajo
Lease No. 14-10-603-372

	32	
		X

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 44-32 is located 500 ft. from S line and 969 ft. from E line of sec. 32
SE SE Section 32 40S 25E SLM
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
McRino Creek San Juan Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ above sea level is 4734 ft. KB

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded: March 4, 1960
 Completed: April 6, 1960
 T.D.: 5750' PBTD: 5715'
 Casing: 8-5/8" 24# set at 405' with 150 sacks
 5-1/2" set at 5750' with 300 sacks

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Superior Oil Company
 Address P.O. Drawer 'C'
Cortez, Colorado
 By D. D. Kingman
 Title D.D. Kingman
Engineer

APR 15 1960

Electric Log Tops:

De Chelly	2660'	Gothic Shale	5496'
Organ Rock	2760'	Desert Creek	5505' (-771')
Hermosa	4568'	Chimney Rock	5717'
Ismy	5377'	Total Depth	5748'

Perforations: 5509'-5537', 5558'-5611', 5619'-5670', 5675'-5688'.

Drill Stem Tests: None

Treatments:

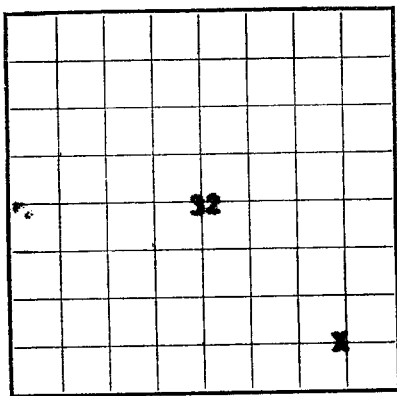
4-3-60 (perfs 5558'-5688') 1500 gallons HDA. Maximum pressure 1500#/Pkr.
4-3-60 (perfs 5558'-5688') 15,000 gallons retarded acid in 3 equal stages using two 300-gallon temporary plugs. Maximum pressure 2000#/1200#.
4-5-60 (perfs 5509'-5537') 500 gallons HDA. Maximum pressure 3200#/1500#.
4-5-60 (perfs 5509'-5537') 6000 gallons retarded acid in two equal stages using one 200-gallon temporary plug. Maximum pressure 3000#/1500#.

Tubing:

2-1/2" 6.5# J-55 R-2 8rd EUE hang to	5688'
Tubing Anchor	5493'
R & L nipple	5487'
Pump shoe	5486'
Tubing landed on T-16	

Initial Production:

Flowed 307 barrels fluid in 12 hours.
40° gravity, cut 2% load water, 290#/1050#, 40/64" choke
614 BPD rate

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 14-20-603-372
LEASE OR PERMIT TO PROSPECT Navajo

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P.O. Drawer 'C' - Cortez, Colorado
Lessor or Tract Navajo 'C' Field McElmo Creek State Utah
Well No. 44-32 Sec. 32 T. 40S R. 25E Meridian SLM County San Juan
Location 500 ft. N. of S. Line and 969 ft. E. of E. Line of Section 32 Elevation 4734 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Title

R. D. Kingman
Engineer
Date April 12, 1960

The summary on this page is for the condition of the well at above date.

Commenced drilling March 4, 1960 Finished drilling March 29, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5377 to 5496 No. 4, from _____ to _____
No. 2, from 5505 to 5717 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	4	40S	150	Circulated to surface	5377	5496	5619	5670
5-1/2	14	4	40S	300	Pump & plug	5505	5717	5679	5688

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	405'	150	Circulated to surface		
5-1/2	5750'	300	Pump & plug		

PLUGS AND ADAPTERS

Heavy plug Material

Leath

SHOOTING RECORD

Quantity	Date	Depth shot	Depth cleaned out
----------	------	------------	-------------------

5-1/2	5750	300	Pump & plug
-------	------	-----	-------------

PLUGS AND ADAPTERS

Heavy duty Material

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from Surface feet to 5750 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 6, 1960

The production for the first 24 hours was 614 barrels of fluid of which 99 (60%) was oil; _____% emulsion; 1 % water; and _____% sediment. Gravity, °Bé. 40

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	Electric Log Tops:		
		2660'	De Chelly
		2760'	Organ Rock
		4568'	Hermosa
		5377'	Ismay
		5496'	Gothic Shale
		5505' (-771')	Desert Creek
		5717'	Chimney Rock
		5748'	Total Depth

FORMATION RECORD—CONTINUED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN
(Other instru
verse side)

DATE*

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McKino Creek Unit

8. FARM OR LEASE NAME

Navajo 'C'

9. WELL NO.

#Q-12

10. FIELD AND POOL, OR WILDCAT

McKino Creek

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE SE Sec. 32, T40S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

P. O. Drawer 'G', Cortez, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

SE SE Section 32, T40S, R25E
San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4742' KB L & S

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Conversion to Water Injection

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1-21-64 Ran Baker Model 'R' Packer on 2-7/8" 6.5# EUE tubing to 5497'.
Set packer at 5590' with 16,000#.

18. I hereby certify that the foregoing is true and correct
Original Signed By

SIGNED C. R. WALLER

TITLE Production Engineer

DATE March 9, 1964

C. R. Waller

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI. CATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek

8. FARM OR LEASE NAME

9. WELL NO.

Q-12

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Unit

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 32, T40S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL ☐ GAS ☐
WELL WELL OTHER

WATER INJECTION

2. NAME OF OPERATOR

THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

500 FSL and 969' FEL

SE SE SEC. 32, T40S, R25E

SAN JUAN COUNTY, UTAH

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4734' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐~~XXXXXXXX~~ ACIDIZING ☒(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Treated well with 20,000 gallons 28% iron acid in 4 equal stages with 1,000 gallon salt plugs between stages.

Returned well to injection.

18. I hereby certify that the foregoing is true and correct

SIGNED

D. D. Kingman

TITLE

Production Engineer

DATE 3/15/66

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MJE/njh

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRI-CATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-372
2. NAME OF OPERATOR The Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321		7. UNIT AGREEMENT NAME McElmo Creek Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 500' FSL & 969' FEL Sec. 32, T40S, R25E SLM		8. FARM OR LEASE NAME McElmo Creek Unit
14. PERMIT NO.		9. WELL NO. MCU Q-12
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4742' KB		10. FIELD AND POOL, OR WILDCAT McElmo Creek Field
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SE 32, T40S, R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Notice of intent to complete the Lower Ismay Interval 5467-78' for injection.

It will be perforated with 2 jets per foot, treated with 4000 gallon 28% retarded acid and flushed with crude.

Attempts will be made to recover any production present after which this well will be returned to injection.

Ismay injection will be down the annulus.

Desert (Zones I & II) injection will be commingled.

18. I hereby certify that the foregoing is true and correct

SIGNED

D. D. Kingman

TITLE District Engineer

DATE 3/16/70

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

OGC/nh

*See Instructions on Reverse Side

cc: USGS, State, Franques, Broussard, Hurlbut, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT AND INDICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-372
2. NAME OF OPERATOR The Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321		7. UNIT AGREEMENT NAME McElmo Creek Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 500' FSL & 969' FEL, Sec. 32, T40S, R25E SLM		8. FARM OR LEASE NAME McElmo Creek Unit
14. PERMIT NO.		9. WELL NO. MCU #Q-12
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4742' KB		10. FIELD AND POOL, OR WILDCAT McElmo Creek Field
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SE Sec. 32, T40S, R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7/6/70 Perf'd Lower Ismay interval 5467'-78' with 2 jets per foot.

7/8/70 Treated perfs 5467-78' with 4,000 gal 28% acid.
Breakdown pressure 2800 psi. On vac immed.

7/9/70 Swabbed and flowed at 507 BOPD rate.

7/30/70 Killed well. Ran dual string tubing. Tied into injection flow line.

8/10/70 Desert Creek injection rate 1326 BPD. Ismay injection 1292 BPD.

18. I hereby certify that the foregoing is true and correct

SIGNED

(This space for Federal or State office use)

TITLE Gen. Dist. Supt.

DATE 8/21/70

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

OGC/nh

*See Instructions on Reverse Side
cc: State, USGS, Franques, Broussard, Hurlbut, WIO, File

PI

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> water Injection Well		Navajo 7. UNIT AGREEMENT NAME McElmo Creek Unit	
2. NAME OF OPERATOR The Superior Oil Company		8. FARM OR LEASE NAME McElmo Creek Unit	
3. ADDRESS OF OPERATOR P. O. Dr. 'G', Cortez, Colorado 81321		9. WELL NO. MCU #Q-12	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 500' FSL & 969' FEL, Section 32, T40S, R25E		10. FIELD AND POOL, OR WILDCAT McElmo Creek Field	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T40S, R25E SLM		12. COUNTY OR PARISH San Juan	
13. STATE Utah		14. PERMIT NO. 	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4742'			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SUBSEQUENT ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Perfs: Ismay 5467-78' (Injecting through short tubing string).
 Desert Creek Zone I - 5509-37 & 5558-5611' (Inj. commingled w/Zone II thru long string)
 Desert Crk. Zone II - 5619-70 & 5675-5688 (Inj. commingled w/Zone I thru long string).

Packer: Baker Model 'K' Dual Packer at 5414'.
 Baker Model 'N' Permanent Packer at 5492'.

1/30/74: Acidized DC Zone I and II down long string with 3000 gals 28% iron sequestering acid in six 500 gal stages. Injection rate: 1 BPM
 Max. Pressure 2500 psi.

Put all zones back on injection.

18. I hereby certify that the foregoing is true and correct

SIGNED <u>D. D. Kingman</u>	TITLE <u>District Engineer</u>	DATE <u>2/14/74</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

cc: State, USGS, Franques, Mosley, Hurlbut, WIO, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN 5
(Other instructions
reverse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

9. WELL NO.

MCU #Q-12

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 32, T40S, R25E

S1B&M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Water Injection Well

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

P. O. Dr. 'G', Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

500' FSL, 969' FEL, Section 32

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4742' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Set blank seals in existing permanent packer at 5492'.
2. Fill back to 5450' with sand.
3. Run 3-1/2" tubing to 5450'. Cement to surface with 330 sacks.
4. Clean out sand and pull seals.
5. Run 2-1/16" plastic lined tubing and packer and commingle existing Ismay perfs 5467-78' and Desert Creek perfs 5509-37', 5558-5611', 5619-70' and 5675-85' for water injection.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE

BY

18. I hereby certify that the foregoing is true and correct

SIGNED

J. L. Gallagher
J. L. Gallagher

TITLE

PROD. ENGINEER

DATE

JULY 21, 1975

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JLG/njh

USGS (4)

*See Instructions on Reverse Side

xc: State (2), Franques, Mosley, Nav. Tribe, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN 1. DATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME McELMO CREEK UNIT
2. NAME OF OPERATOR THE SUPERIOR OIL COMPANY	8. FARM OR LEASE NAME McELMO CREEK UNIT
3. ADDRESS OF OPERATOR P. O. DRAWER 'G' CORTEZ, COLORADO 81321	9. WELL NO. MCU #Q-12 (Navaajo 44-32)
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 500' FSL & 969' FEL	10. FIELD AND POOL, OR WILDCAT McELMO CREEK FIELD
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4742' KB
11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA SEC. 32, T40S, R25E	12. COUNTY OR PARISH San Juan
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

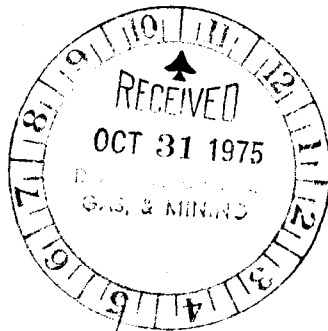
SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐REPAIRING WELL ☒
ALTERING CASING ☐
ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Ran 3 1/2" 9.2#, Seal-Lock tubing as inner casing string from 0 to 5450'.
Cemented w/360 sx class 'B' cement.
Acidized Ismay perms 5467-78' w/2000 gals 28% HCL at 2 BPM. MP 3000 psi.
Ran 2 1/16" tubing and returned well to commingled Ismay, D.C. Zone I and
D.C. Zone II injection on 10-9-75.

Injection Rate: 2500 BPD at 2000 PSI.



18. I hereby certify that the foregoing is true and correct

SIGNED D. D. KingmanTITLE District EngineerDATE 10-28-75

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

USGS - Orig + 3

State - 2

J. K. Lawson

W. N. Mosley

Navaajo Tribe, WIO, File

*See Instructions on Reverse Side

McELMO CREEK UNIT #Q-12
SE SE Sec. 32, T40S, R25E
500 FSL, 969' FEL
San Juan County, UTAH

WATER INJECTION WELL

FIELD: McELMO CREEK

KB: 4742' DF: 4741' TD: 5750' PBTD: 5715' TLD: 6.9' TOC: 1734'(est)

SPUDDED: 3-4-60 COMPLETED: 4-6-60

PAY ZONES: ISMAY, ZONES I & II (Injection)

PERFS: Ismay: 5467-78' (2 Jts./ft.)
Zone I: 5509-37', 5558-5611' (4 Jts./ft.)
Zone II: 5619-70', 5675-88' (4 Jts./ft.)

CASING: 8-5/8" OD, 24# 8RD, J-55 R-2, ST&C w/150 Sx. 405'
5 1/2" OD, 14# & 15.5#, 8RD, J-55 R-2 w/300 Sx. 5750'
3 1/2" 9.2# Seal-lock w/360 Sx. 5450'

TUBING: 2-1/16" Hydril CS CB J-55 R-1 & 2 w/TK-69 both sides. 5505'

PACKERS: A model C tension single grip w/18,000# tension is @ 5418'
A Baker Model N permanent is @ 5492'. (not in use)

PMPG. EQUIP: Injection Equipment

REMARKS: Top 18' of tbg. is 2-3/8" Nu-Lock. A Model G locator sub & mule shoe are 2' off Model N. Takes special eq. to pull well.

WELL HEAD: National E head; EU hanger.

4/3-5/60 Perfd intervals 5558-5688', acidized w/15,000 gals. reg. acid. FP 1000#, ISIP 0#. Perfd 5509-37', acidized w/6000 gals. reg. acid. FP 3000#, 20 mins. SIP 0#.

1-03-63 Attempted to squeeze csg. leak 579-583'.

3-22-63 Treated w/4000 gals. 7 1/2% reg. acid. ISIP 0#.

1-21-64 Converted to water injection.

2-19-66 Stimulated w/20,000 gals. 28% iron acid. FP 5700#, ISIP 3550#.

7-03-69 Stimulated w/1000 gals. 15% iron acid. FP 2500#, ISIP 1700#.

7/6-8/70 Perfd 5467-78', acidized w/4000 gals. 28% acid. FP 500#, ISIP 0#. Completed as dual string injector.

1-30-74 Acidized Zones I & II w/3000 gals. 28% iron sequestering acid.
Pumped w/injection water, no SIP.

6/15-23/75 Attempted to squeeze csg. leaks @ 564' & 947', roll-out csg.
583-85'.

9/3-16/75 Cemented 3½" tbg. as inner csg. string. Acidized Ismay w/2000
gals. 28% HCL. FP 2750#. ISIP 1600#.

3-17-76 Replaced tubing string.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Superior Well No. M^o Elmo Creek Unit Q 12
 County: San Juan T 40S R 25E Sec. 32 API# 43-037-16371
 New Well ☐ Conversion ☐ Disposal Well ☐ Enhanced Recovery Well ☒

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Fluid Source

Desert Creek - Ismery

Analysis of Injection Fluid

Yes ☒ No ☐ TDS 60,000+

Analysis of Water in Formation to be injected into

Yes ☒ No ☐ TDS 70,000+

Known USDW in area

Maryo-Abile Depth 1300

Number of wells in area of review

11 Prod. 7 P&A 0

Water 0 Inj. 4

Aquifer Exemption

Yes ☐ NA ☒

Mechanical Integrity Test

Yes ☒ No ☐

Date 10-28-84 Type Water Tracer - Ismery

Comments:

Reviewed by:

[Signature]

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	S T A P I N U M B E R	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	N-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ	OP 43-037-15965	14-20-603-372		96-004190
	N-13 ✓	SAN JUAN	UT	NW	NW	05-41S-25E	INJ	OP 43-037-15966	14-20-603-372		96-004190
	N-15 ✓	SAN JUAN	UT	SW	NW	05-41S-25E	INJ	OP 43-037-05671	14-20-603-572		96-004190
	N-17 ✓	SAN JUAN	UT	NW	NW	08-41S-25E	INJ	OP 43-037-05597	14-20-603-263		96-004190
	N-19 ✓	SAN JUAN	UT	NW	SW	08-41S-25E	INJ	OP 43-037-05540	14-20-603-263		96-004190
	N-21 ✓	SAN JUAN	UT	NW	NW	17-41S-25E	INJ	OP 43-037-05492	14-20-603-263		96-004190
	N-23 ✓	SAN JUAN	UT	NW	SW	17-41S-25E	INJ	OP 43-037-16364	14-20-603-263		96-004190
	O-12 ✓	SAN JUAN	UT	SE	SW	32-40S-25E	INJ	OP 43-037-16371	14-20-603-372		96-004190
	O-14 ✓	SAN JUAN	UT	SE	NW	05-41S-25E	INJ	OP 43-037-16365	14-20-603-372		96-004190
	O-16 ✓	SAN JUAN	UT	SE	SW	05-41S-25E	INJ	OP 43-037-15969	14-20-603-372		96-004190
	O-18 ✓	SAN JUAN	UT	SE	NW	08-41S-25E	INJ	OP 43-037-05585	14-20-603-263		96-004190
	P-07 ✓	SAN JUAN	UT	NW	SE	29-40S-25E	INJ	OP 43-037-05828	I-149-IND-8839-A		96-004190
	P-09 ✓	SAN JUAN	UT	NW	NE	32-40S-25E	INJ	OP 43-037-16367	14-20-603-372		96-004190
	P-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ	OP 43-037-15971	14-20-603-372		96-004190
	P-13 ✓	SAN JUAN	UT	NW	NE	05-41S-25E	INJ	OP 43-037-16368	14-20-603-372		96-004190
	P-15 ✓	SAN JUAN	UT	NW	SE	05-41S-25E	INJ	OP 43-037-16340	14-20-603-372		96-004190
	P-17 ✓	SAN JUAN	UT	NW	NE	08-41S-25E	INJ	OP 43-037-15976	14-20-603-263		96-004190
	P-19 ✓	SAN JUAN	UT	NW	SE	08-41S-25E	INJ	OP 43-037-05555	14-20-603-263		96-004190
	P-21 ✓	SAN JUAN	UT	NW	NE	17-41S-25E	INJ	OP 43-037-05487	14-20-603-263		96-004190
	P-23 ✓	SAN JUAN	UT	NW	SE	17-41S-25E	INJ	OP 43-037-16370	14-20-603-263		96-004190
	Q-12 ✓	SAN JUAN	UT	SE	SE	32-40S-25E	INJ	OP 43-037-05720	14-20-603-372		96-004190
	Q-14 ✓	SAN JUAN	UT	SE	NE	05-41S-25E	INJ	OP 43-037-15974	14-20-603-372		96-004190
	Q-16 ✓	SAN JUAN	UT	SE	SE	05-41S-25E	INJ	OP 43-037-15975	14-20-603-372		96-004190
	R-11 ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	SI 43-037-05741	14-20-603-2057		96-004190
	R-11A ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	OP 43-037-30179	14-20-603-2057		96-004190
	R-13 ✓	SAN JUAN	UT	NW	NW	04-41S-25E	INJ	OP 43-037-05709	14-20-603-2057		96-004190
	R-17 ✓	SAN JUAN	UT	NW	NW	09-41S-25E	INJ	OP 43-037-05602	14-20-603-359		96-004190
	R-19 ✓	SAN JUAN	UT	NW	SW	09-41S-25E	INJ	OP 43-037-05554	14-20-603-359		96-004190
	R-21 ✓	SAN JUAN	UT	NW	NW	16-41S-25E	INJ	OP 43-037-16374	14-20-603-359		96-004190
	R-23 ✓	SAN JUAN	UT	NW	SW	16-41S-25E	INJ	OP 43-037-15977	14-20-603-359		96-004190

Corrected 1/21/64

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

OPERATOR: MEPNA

FIELD: Greater Aneth LEASE: McElmo Creek

WELL # Q-12 ^{Navajo C}₄₄₋₃₂ SEC. 32 TOWNSHIP 40S RANGE 25E

STATE FED. FEE DEPTH 5750 TYPE WELL INTJW MAX. INJ. PRESS. 2800 psig
PBTD 5715 4000 BWPD

TEST DATE 9/9/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8</u>	<u>405</u>	<u>150 SX</u>	<u>4#</u>	<u>Bradenhead</u>	
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5750</u>	<u>300 SX</u>	<u>8#</u>	<u>Casing</u>	
	<u>3 1/2</u>	<u>5450</u>	<u>360 SX</u>		<u>Casing - 68023</u>	
<u>TUBING</u>	<u>2 1/16</u>	<u>5505</u>		<u>1800#</u>		

model C packer 5412
Baker model N 8+ 5492

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

December 1989

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or
reentry to a different reservoir. Use "APPLICATION FOR PERMIT"
for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas
/X/ Well / / Well / / Other

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P. O. Drawer G, Cortez, Co. 81321 303-565-2200

4. Location or Well (Footage, Sec., T., R., M.
or Survey Description

Sec 32, T40S, R25E
809 FSL 1832 FWL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

/ / Notice of Intent

/ / Subsequent Report

/ / Final Abandonment Notice

/ / Abandonment

/ / Recompletion

/ / Plugging Back

/ / Casing Repair

/ / Altering Casing

/X/ Other Long term shut-in

/ / Change of Plans

/ / New Construction

/ / Non-Routine Fracturing

/ / Water Shut-Off

/ / Conversion to Injection

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates,
including estimated date of starting any proposed work. If well is directionally drilled, give subsurface
locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Mobil has put this well on a long term shut-in status. This injection well is not taking any fluid and is
scheduled for reconditioning within the next twelve months and will be put back on active status. This well is
part of the CO2 flooding expansion within the McElmo Creek Unit.

Mobil Exploration and Producing U. S. Inc., as agent for Mobil Oil Corp.

14. I hereby certify that the foregoing is true and correct

Signed

C. J. Benally
C. J. Benally

Title Sr. Staff Environmental Engineer

Date 3/20/90

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Form Approved

Budget Bureau No. 1004-0135

Expires September 30, 1990

5. Lease Designation and Serial No.
Unit 98-004190

6. If Indian, Allottee or Tribe Name
Navajo Tribal

7. If Unit or CA, Agreement Designation
McElmo Creek Unit

8. Well Name and No.

0-12

9. API Well No.

43-637-16371

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State

San Juan, Utah

OIL AND GAS

DPN

RJF

JRB

GLH

DTS

SLS

2-TAS

3- MICROFILM

4- FILE

UTC

GLH

BGH

COMPUTER

MICROFILM

FILE

Title 18 U.S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department
or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter
within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTION WELL

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633, MIDLAND, TX 79702

(915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

500' FSL, 969' FEL

SEC. 32, T40S, R25E

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

McELMO CREEK UNIT

8. Well Name and No.

Q-12

9. API Well No.

43-037-16371

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other REPLACED WELLHEAD

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MIRU. POH W/TBG & PKR. REPLACED WELLHEAD. SET PKR @ 5411'. PRESS TEST TBG/CSG
ANNULUS 1000 PSI/30 MIN/OK.

RECEIVED

SEP 09 1991

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Shirley Todd SHIRLEY TODD

Title ENV & REG TECH

Date 9/2/91

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☒ Other **INJECTION WELL**

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P O BOX 633 MIDLAND, TEXAS 79702

(915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

500' FSL, 969' FEL SEC. 32, T40S, R25E

5. Lease Designation and Serial No.

14-20-603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MCELMO CREEK UNIT

8. Well Name and No.

Q-12

9. API Well No.

43-037-15979-16371

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other **P & A PROCEDURE**
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHMENT

ACCEPTED BY THE OFFICE
OF THE DIVISION OF
OIL, GAS AND MINING

DATE: 4-6-93

BY: J. M. Matthews

RECEIVED

APR 05 1993

DIVISION OF
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Shirley Todd

SHIRLEY TODD

Title

ENGINEER TECHNICIAN

Date

3-31-93

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

RECOMMENDED P&A PROCEDURE
McELMO CREEK UNIT
Q-12
SAN JUAN COUNTY, UTAH

- 1) MI 400 bbl tank with 10# brine water. MI 400 bbl tank with fresh water. Follow all lock-out/tag-out procedures. Notify Ken Lingo, EPA representative, Farmington N.M. prior to commencing P&A procedures. EPA must witness P&A.
- 2) MIRU Big A DDPU. NU 5000 psi (Cameron or Hydrill) BOP's with 2-1/16" pipe rams and blind rams. NU slips best suited for pulling external plastic coated pipe. Bullhead 10# brine to kill well if necessary. Release 2-1/16" model C tension packer and circulate hole. POOH laying down tbg. RDMO Big A.
- 3) RU D/S cementers and D/S coil tubing unit w/ 1-1/2" reel. RIH with velocity wash tool and cleanout to permanent packer @ 5492'. Use friction reducer/surfactant in water while washing. POOH.
- 4) RIH open ended w/ coil tbg. Spot 10 bbls cement on top of Model N permanent packer @ 5492'. PUH 1000', clear coil tbg of excess cement. POOH w/ coil tbg. Close BOP's and braden head squeeze, Maximum displacement = 4 bbls, Maximum squeeze pressure = 1000 psi. Leave well SI with squeeze pressure over night.
- 5) RIH and tag TOC. Pressure test squeezed perfs to 1000 psi for 30 minutes. Bleed off pressure. Resqueeze as necessary until perfs will pressure test.
- 6) Mix 50 bbls cement and fill 3-1/2" tbg while POOH. SI overnight with 500 psi.
- 7) Tag TOC. If not at surface, fill remainder of well with cement and cut off wellhead. Install P&A marker. RDMO.

Wayne McPherson

T. Wayne McPherson
Operations Engineer

office	(303) 565-2207
mobile	(303) 747-1143
pager	(505) 327-8814
home	(303) 565-0177

API # 43-037-16371

FOR McELMO CREEK UNIT Q-12
 LOCATION SE/SE Sec 32, T40S, R25E
 SUBJECT 500' FSL, 969' FEL
SAN JUAN COUNTY, UTAH

JOB OR AUTH. NO.

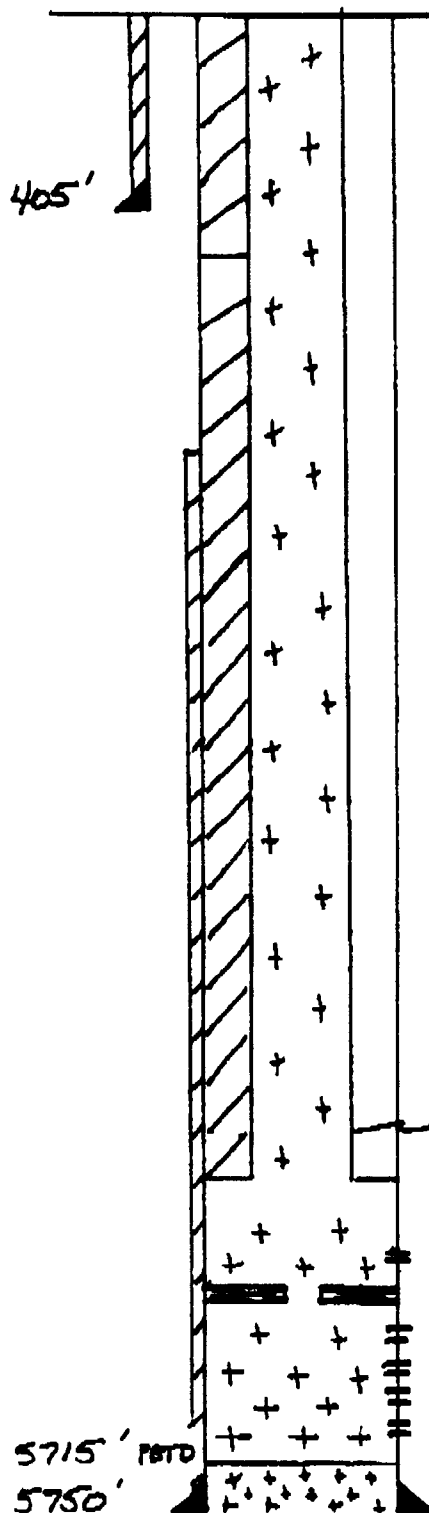
PAGE

DATE 3-23-93

BY

PROPOSED PA'D WELLBORE

COMPLETED 4-6-60
 ELEVATION KB: 4742'
 GL: 4735'



8 5/8", 24#, 8RD, J-55
 CMT'D TO SURFACE w/ 150 SX

3 1/2", J-55 SEAL-LOCK TOL
 CMT'D TO SURFACE w/ 360 SX CLASS B

PERFS

5467'-5478'

5492' BAKER MODEL N PERMANENT PACKER

5509'-5537'

5558'-5611'

5619'-5670'

5675'-5688'

5 1/2", J-55, 14# F15.5"

CMT'D w/ 300 SX, ESTIMATED TOL @ 3906'

API # 43-037-16371

FOR McELMO CREEK UNIT Q-12

JOB OR AUTH. NO.

LOCATION SE/SE Sec 32, T40S, R25E

PAGE

SUBJECT 500' FSL, 969' FEL

DATE 3-23-93

SAN JUAN COUNTY, UTAH

BY

CURRENT WELLBORE

COMPLETED 4-6-60

ELEVATION KB: 4742'

GL: 4735'

405'

8 5/8", 24#, BRD, J-55

CMT'D TO SURFACE W/ 150 SX

2 1/16" HYDRIL CS, J-55 W/ TK-69

PLASTIC COATING INTERNAL/EXTERNAL

5418' - MODEL C SINGLE GRIP TENSION PKR
W/ 18,000 # ↑

5418' →

5450' →

3 1/2", J-55 SEAL-LOCK TBG
CMT'D TO SURFACE W/ 360 SX CLASS B

PERFS

5467' - 5478'

5492' BAKER MODEL N PERMANENT PACKER

5509' - 5537'

5558' - 5611'

5619' - 5670'

5675' - 5688'

5715' PBD

5750'

5 1/2", J-55, 14# & 15.5#

CMT'D W/ 300 SX, ESTIMATED TOL @ 3906'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **INJECTION WELL**

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P O BOX 633 MIDLAND, TX 79702

(915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

500' FSL, 969' FEL SEC. 32, T40S, R25E

5. Lease Designation and Serial No.
14-20-603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
Q-12

9. API Well No.

43-037-15973-16371

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State

SAN JUAN, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☒ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-09-93 MIRU NO BOPS.

6-10-93 PUMP 20 BBLS/FW. PUMP 42 BBLS OF 35/65 POZ CMT AT 12.7 PPG, DISPLACE W/14 BBLS FW. CMT PLUG WAS WITNESSED BY RON SNOW/BLM AND GARY YELLOWHAIR AND MICHELLE MORRIS /NAVAJO EPA.

6-11-93 TAG CMT AT 3950'. TEST CMT PLUG TO 1000 PSI/OK. PERF 1520-1521 W/4 SPF. PUMP 15 BBLS 35/65 POZ CMT AT 12.4 PPG IN BRADEN HEAD DOWN 8 5/8 & 5 1/2 ANN. PUMP 40 BBLS 35/65 POZ CMT AT 12.4 PPG. CIRC. 5 BBLS CMT TO PIT. RON SNOW/BLM WITNESSED WORK.

6-13-93 ND BOP RD CUT CSG 4' BELOW GROUND LEVEL. CAP CSG, WELD ON MARKER 4' ABOVE GROUND LEVEL. WELL PLUGGED AND ABANDONED.

RECEIVED

JUL 06 1993

**DIVISION OF
OIL GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Signed Shirley Todd **SHIRLEY TODD**

Title ENV. & REG TECHNICIAN

Date 7-1-93

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
Abandoned well. Use Form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Mobil Producing TX & NM Inc*
*Mobil Exploration & Producing US Inc as agent for MPTM

3a. Address
P.O. Box 4358, Houston, TX 77210-4358

3b. Phone No. (include area code)
713-431-1022

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
See Listing

5. Lease Serial No.

See Listing

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.
Mc Elmo Creek Unit

8. Well Name and No.
See Listing

9. API Well No.
See Listing

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc has finished final seeding on the following P&A Well locations. The tags from the Seed Bags were presented to Ms. L. Taylor, BIA, on October 25, 2000.

Well # B-15, Sec 02-T41S-R24E, Lease # 14-20-603-6508, API # 43-037-16340

Well # F-26, Sec 13-T41S-R24E, Lease # 14-20-603-370, API # 43-037-15949

Well # I-16, Sec 01-T41S-R24E, Lease # 14-20-603-4039, API # 43-037-15497 *PAID IN WELL*

Well # C-16, Sec 02-T41S-R24E, Lease # 14-20-603-6508, API # 43-037-16266

Well # O-12, Sec 32-T40S-R25E, Lease # 14-20-603-372, API # 43-037-16371 (old remediation site)

Well # Q-12, Sec 32-T40S-R25E, Lease # 14-20-603-372, API # 43-037-16371

Well # S-20, Sec 09-T41S-R25E, Lease # 14-20-603-359, API # 43-037-15979

Well # S-21, Sec 16-T41S-R25E, Lease # 14-20-603-359, API # 43-037-30398

Well # V-16, Sec 03-T41S-R25E, Lease # 14-20-603-2057, API # 43-037-31183

Well # U-09, Sec 33-T40S-R25E, Lease # 14-20-603-2057, API # 43-037-31122 (remediation site)

Additionally, MCU J-27, Sec 19-T41S-R23E, Lease # 14-20-603-264, API 43-037-15502 was also re-seeded and all BIA Conditions of Approval to P&A this well were met (see 5/4/2000 Sundry). These seed tags were also presented to Ms. L. Taylor on October 25, 1000. Attached is copy of letters to Ms. L. Taylor indicating same.

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NOV 02 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
Mark Del Pico

Title Regulatory Specialist

Signature

M. Del Pico

Date 10/31/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

ExxonMobil Production Company
U.S. West
P.O. Box 4358
Houston, Texas 77210-4358

ExxonMobil
Production

October 24, 2000

U.S. Department of the Interior
Bureau of Indian Affairs
Shiprock Agency
P.O. Box 3538
Shiprock, NM 87420

**McElmo Creek Unit
Reclamation at P&A Sites**

Dear Ms. Taylor,

Please find attached seed tags for the following well sites, which have been seeded in accordance with Plug & Abandon operations :

Well # B-15, Sec 02-T41S-R24E, API # 43-037-16340
Well # F-26, Sec 13-T41S-R24E, API # 43-037-15949
Well # I-16, Sec 12-T41S-R24E, API # 43-037-30365
Well # C-16, Sec 02-T41S-R24E, API # 43-037-16266
Well # O-12, Sec 32-T40S-R25E, API # 43-037-16371 (old remediation site)
Well # Q-12, Sec 32-T40S-R25E, API # 43-037-16371
Well # S-20, Sec 09-T41S-R25E, API # 43-037-15979
Well # S-21, Sec 16-T41S-R25E, API # 43-037-30398
Well # V-16, Sec 03-T41S-R25E, API # 43-037-31183
Well # U-09, Sec 33, T40S-R25E, API # 43-037-31122 (remediation site)

If you have questions or need more information, please contact me at 713-431-1022.
Thank you for your assistance in this matter.

Sincerely,



Mark Del Pico
US West Producing / Permitting

BIA-P&Aseeding.doc

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DIVISION OF
OIL, GAS AND MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.*

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Exxon Mobil Corporation

3a. Address **P.O. Box 4358**

Houston

TX 77210-4358

3b. Phone No. (include area code)

(713) 431-1197

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

809' FSL & 1832' FWL (SE/SW)

Sec 32 T40S R25E

5. Lease Serial No.

14-20-603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.

MCELMO CREEK UNIT

8. Well Name and No.

McElmo Creek Unit

O-12

9. API Well No.

43-037-16371

GREATER ANETH

11. County or Parish, State

SAN JUAN

UT

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Pressure
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Notification and
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	repair plans

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

The McElmo Creek Unit #O-12 was discovered with 200# backside pressure. The repair plans are as follows:

Field personnel will set plug in pkr and maintain psi bleed off until rig is available to repair. At rig-up will: psi test tbg and csg to determine source of pressure. If tbg test bad, will release from pkr, POOH with tbg and replace all necessary joints. If csg will not pressure test, will commence with pressure test by isolated intervals to pin point exact depth. Upon discovery of failure, will proceed with needed repairs. RIH with tbg and latch back onto pkr, perform MIT and return well to injection. *Note: Pressure test results will determine overall repair plan. We show a due date for repair to be 3/10/02.

Kim S. Lynch
Sr. Staff Office Assistant
ExxonMobil Production Company
a division of Exxon Mobil Corporation, acting for
Mobil Producing Texas & New Mexico, Inc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

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IAN 11 2002

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kim Lynch

Title

Sr. Staff Office Assistant

Signature

Kim Lynch

Date

01/11/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on Reverse)